



GE Power Systems

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## Unit Profile

Choose a Site: MY STATION | Choose a Unit: 1006 -- MY7FAST

Unit / Outage Information				Connect any data series in the data below - click update to effect your changes			
Next Outage Dates	MM	DD	YYYY	Customer ID	MY Customer	Site ID	MY STATION
MAJOR	02	02	2001	Unit #	1008	Serial #	MY7FAST
HOT GAS PATH				Output (kW)	150108 sp Comp	Heat Rate Btu/KWh	9777 ISO Corrected
COMBUSTION				Availability (%)	0.0 source down	Reliability (%)	0.0 source Q8AP
Operational Cycle	Combined Cycle			Op Hours	8000	Unit Starts	147
Loading Cycle	Mid-Range			COD	08/21/1994	Shipped Date	06/01/1992
Fuel Type	Liquid Natural Gas			Reading Date	09/01/1997	Frame Size	U71FA
Emission Control	Dry Low Nox 2.0			Unit Type	Gas Turbine	Control Type	

! Notes on Fleet Performance comparison figures (OUTPUT, HEATRATE, AVAILABILITY, and RELIABILITY)

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Identify Inaccuracies or Missing Information

Fig 1

107

105 -  
106 -

102  
100  
Turbine Optimizer

101

103

110  
108  
111

101  
104

112

002



5021

Fig 2

Update Performance  
Impact Matrix

301

302

303

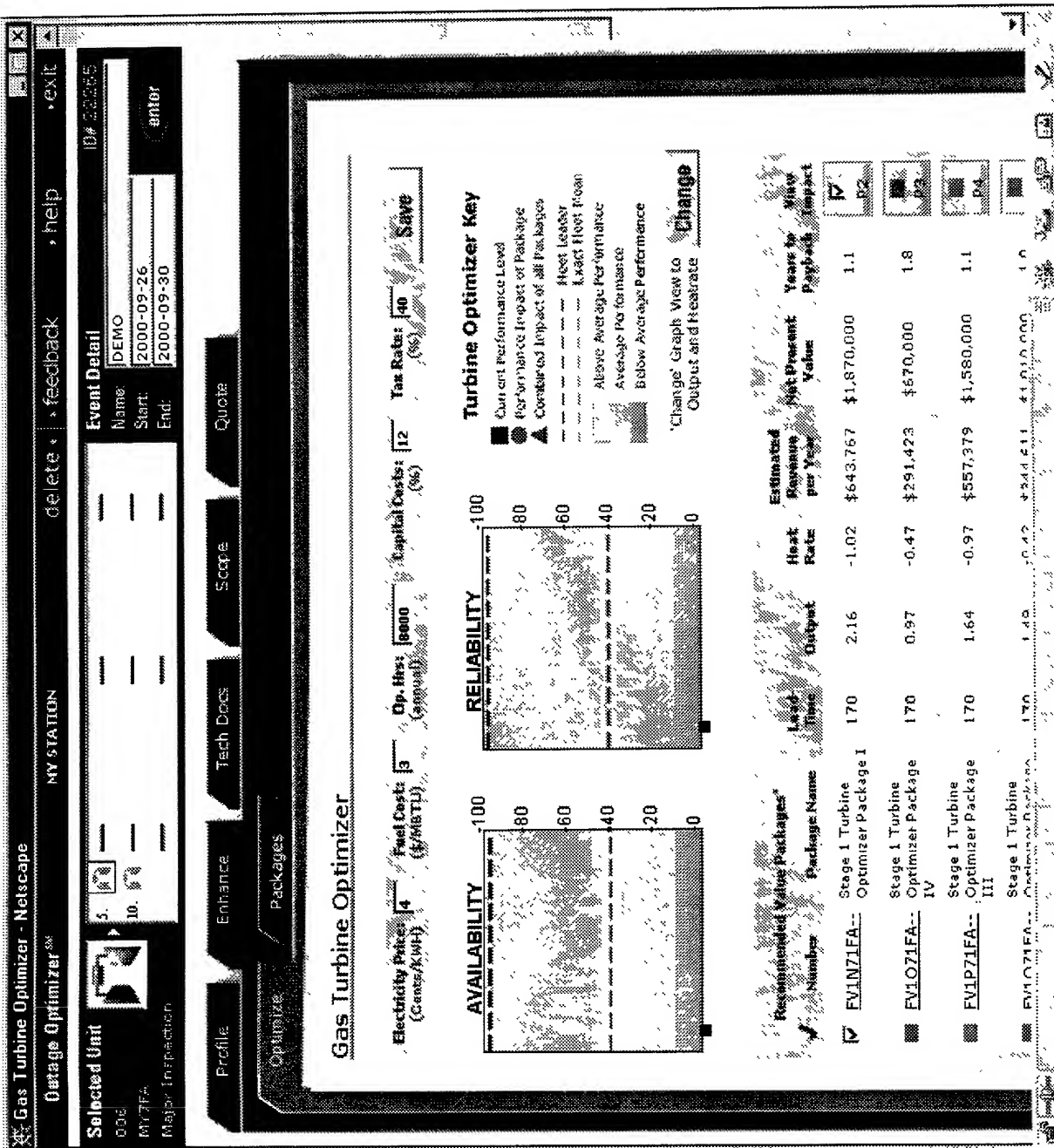
Customer Name	SN	Current Rating	Sig1	S1B, S1S	S1N, S1S	S1B, S1N	88 IGV	GDC/HPF	S2B, S2S	S3B, S3S	S2B, S2S, S3B, S3S	Sig2, Sig3	Performance impact (parts only)
fcm	297031	Output	0.64	0.31	0.70	0.13	0.00	0.00	0.08	-0.03	0.09	0.59	1.30
	TI=2420, IGV=90	HR	-0.51	0.02	-0.55	0.36	0.00	0.00	0.02	0.07	0.03	-0.20	-0.77
Smith	297112	Output	0.54	0.21	0.70	0.03	0.00	0.00	0.08	-0.03	0.09	0.59	1.20
	TI=2420	HR	-0.51	0.02	-0.55	0.36	0.00	0.00	0.02	0.07	0.03	-0.20	-0.77

305 {  
306 {

307

Sum Parts+ TI	Cycle Deck Run	FV1B	FV1P	FV1T	FV1U	FV1V	FV1W	FV1N	FV1Q	FV1Q	FV4B	FV4P	FV4T	FV4U	FV4V	FV4W	FV4N	FV4Q	FV4Q
0 1.3		1.3	0.313	0.594	0.086	0.0799	-0.033	0.639	0.6993	0.125	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0 -0.77		-0.77	0.02	-0.198	0.026	0.02	0.0733	-0.506	-0.553	0.363	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0 1.3		1.2	0.313	0.594	0.086	0.0799	-0.033	0.639	0.6993	0.125	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
0 -0.77		-0.77	0.02	-0.198	0.026	0.02	0.0733	-0.506	-0.553	0.363	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Fig 3



75

# Turbine Optimizing 503

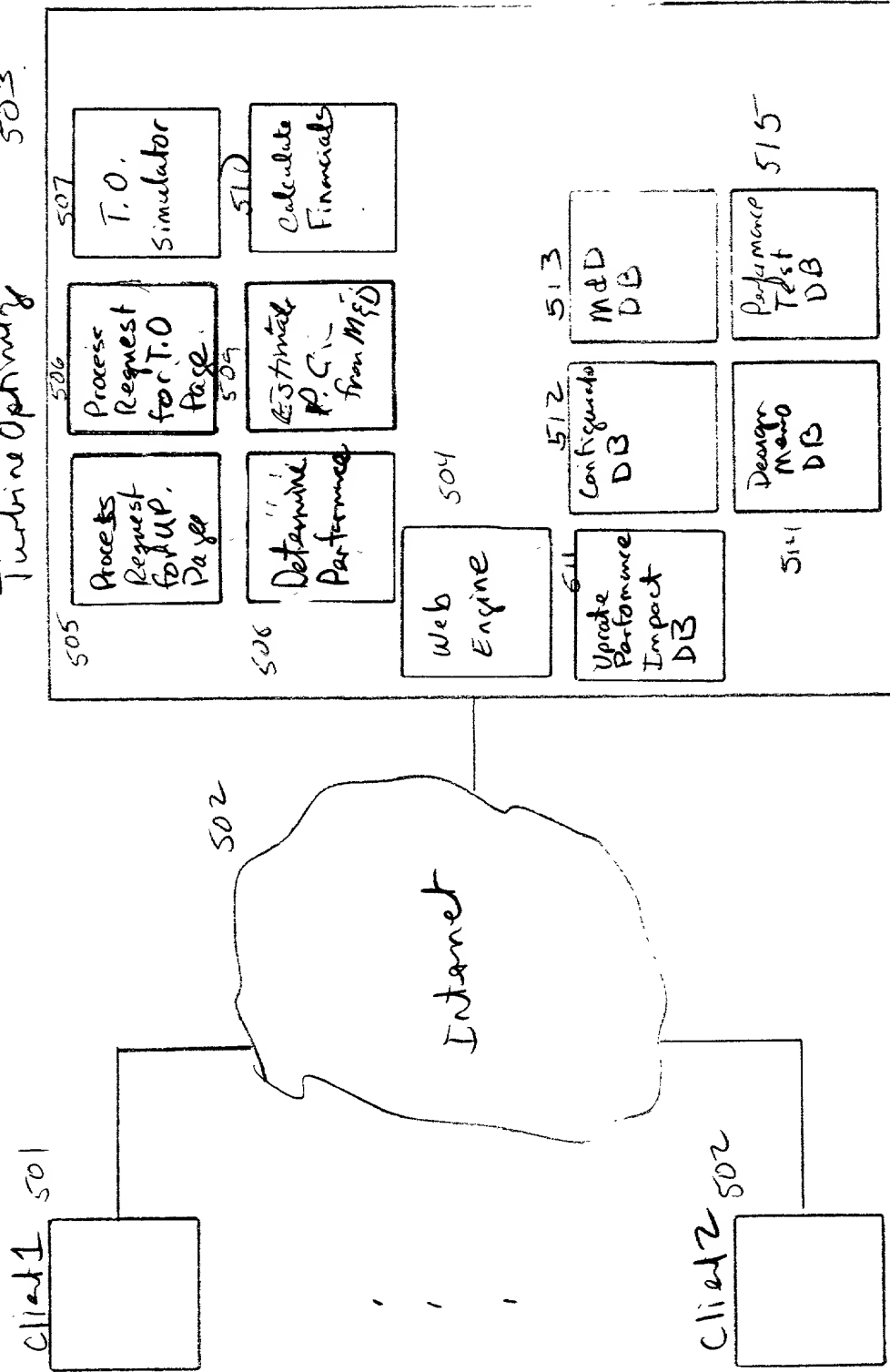


Fig 5

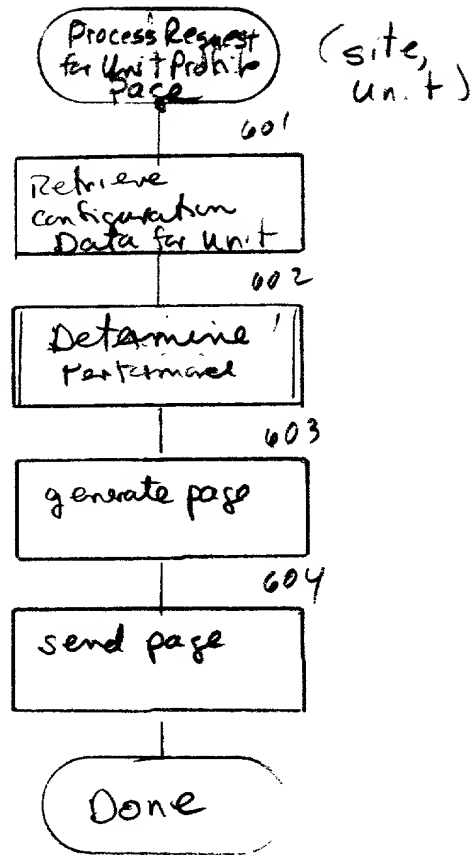
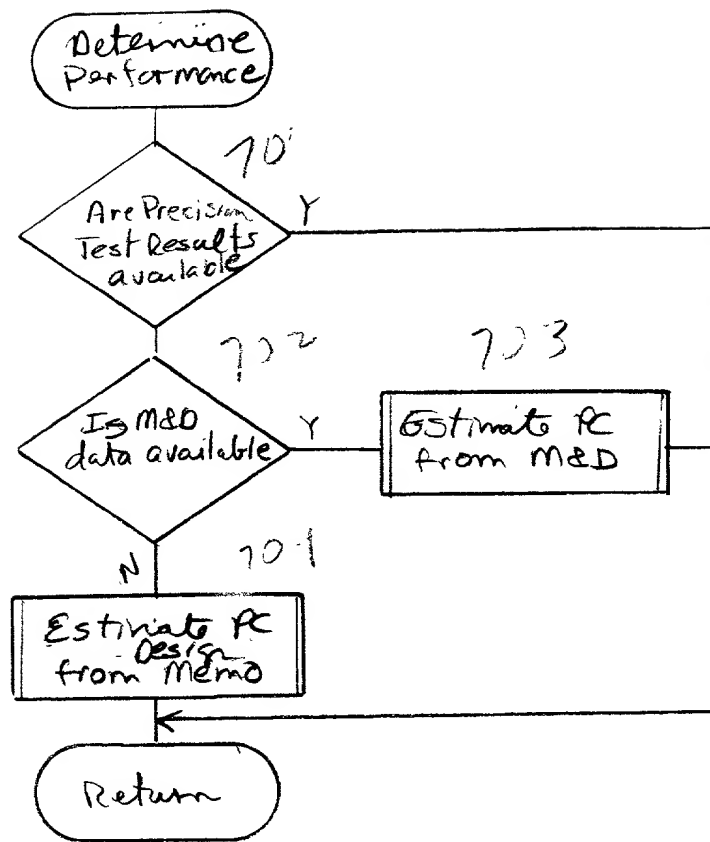


Fig 6

Figure 1 consists of 12 histograms arranged in two columns of six. Each histogram shows the frequency of nodes with a specific number of contacts (0 to 10). The left column shows distributions for various network types, and the right column shows distributions for different network sizes. The distributions are generally unimodal and centered around 1-2 contacts.



F: 87

Estimate AC from Degree

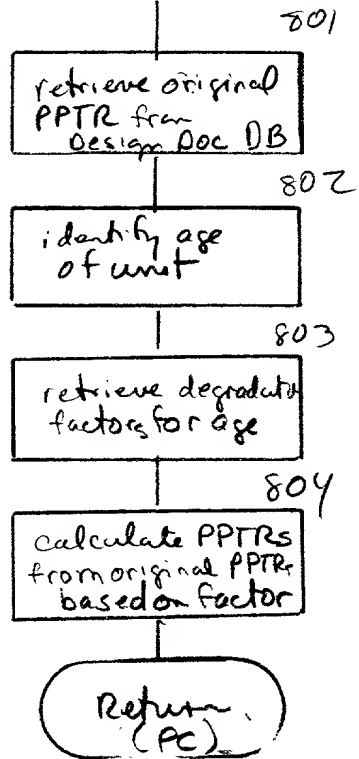
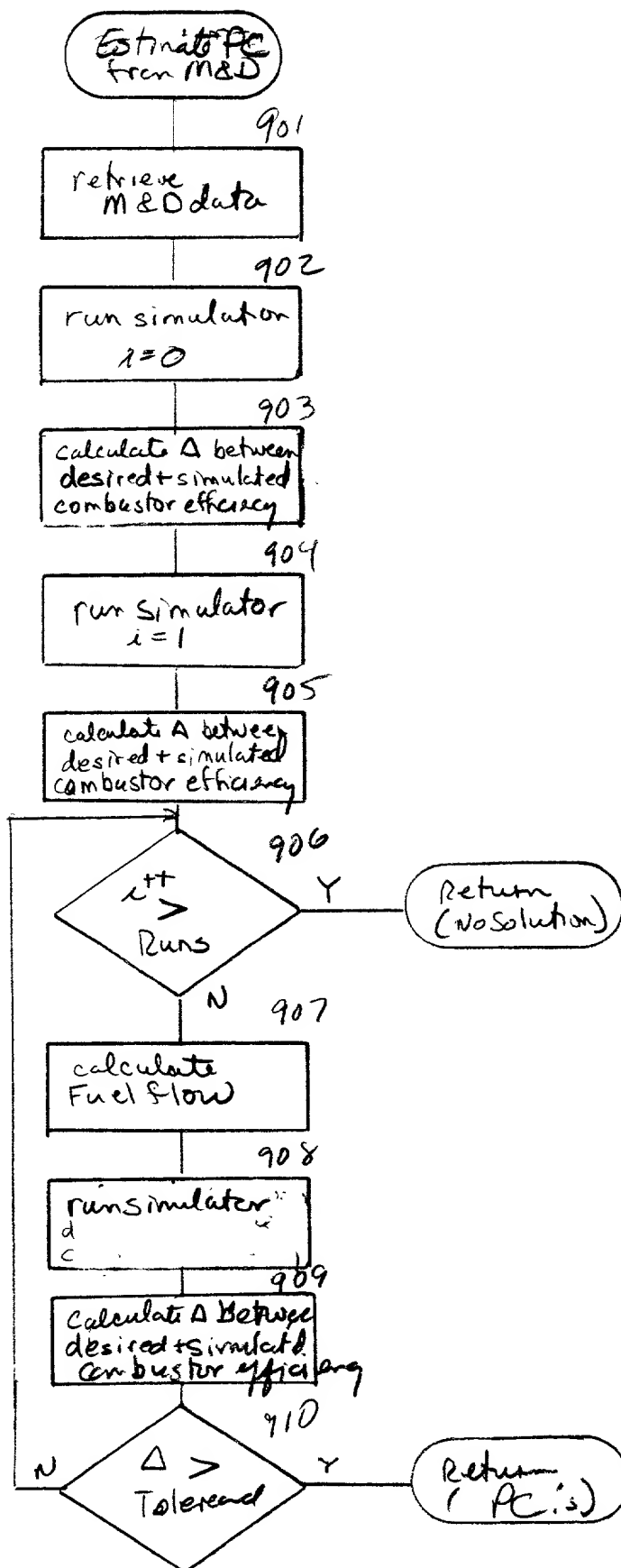


Fig 8



Figure 1 consists of seven histograms, labeled (a) through (g), showing the distribution of the number of non-zero elements in the vector  $x$  for different values of  $n$ . The histograms are arranged vertically. The x-axis for all histograms is 'Number of non-zero elements' ranging from 0 to 100. The y-axis is 'Frequency' ranging from 0 to 10. The distributions are centered around 50 for  $n=10$  and shift towards higher values as  $n$  increases, with the peak frequency increasing as  $n$  increases.



F. 89

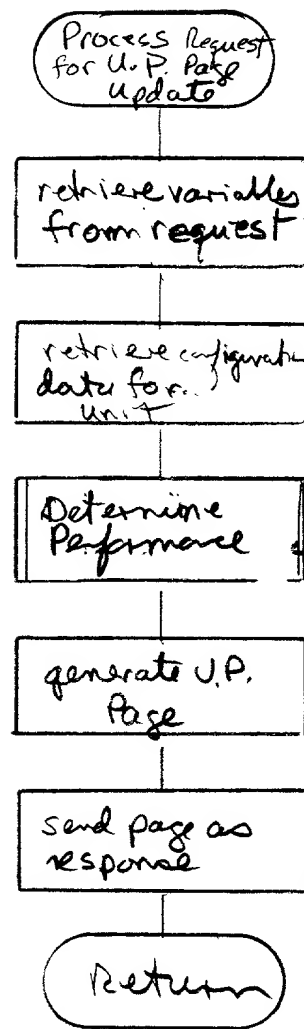


Fig 10

Process Request  
for T.O. page

1101

retrieve  
default financial  
criteria

1102

Generate Turbine  
Optimizer Page

1103

Send T.O. Page  
as response

Complete

Fig 11

Generate  
Turbine Optimize  
Page

